

testing a biological specimen of the individuals of the disease population using a targeted-based genotype test for establishing the presence of a known target gene; transmitting results from the targeted-based genotype test of individuals of the disease population to the main computer and storing in the disease database; testing a biological specimen of the individuals of the non-disease population using the targeted-based genotype test for establishing the absence of the target gene; transmitting results from the targeted-based genotype test of individuals of the non-disease population to the main computer and storing in the non-disease database for storage; and identifying if the targeted gene is a disease-influencing gene based on the information stored in the disease and non-disease databases.

31. The method of Claim 30, wherein the environmental and behavior risk factors defined to be associated with the disease selected for study comprise diet, lifestyle, geographical location and disease progression of each individual.

32. The method of Claim 30, wherein the targeted-based genotype tests comprises one or more of linkage analysis, positional cloning, functional cloning, and comparative gene expression analysis.

33. The method of Claim 32, wherein the comparative gene expression analysis comprises: isolating mRNA from biological specimens from individuals of the disease population; converting the isolated mRNA from the disease population to cDNA; submitting the cDNA from the disease population to a gene sequencing procedure; isolating mRNA from biological specimens from individuals of the non-disease population; converting the isolated mRNA from the non-disease population to cDNA; submitting the cDNA from the non-disease population to a gene sequencing procedure; and comparing the cDNA sequence from the disease-population to the cDNA sequence of the non-disease population.

cl 34. The method of Claim 33, wherein the comparative gene expression analysis test is configured to determine the environmental factor contribution in developing disease in the disease and non-disease populations by analyzing continually received data signals transmitted

by the remotely programmable apparatus over a long period of time from individuals in the disease and non-disease populations.

35. The method of Claim 32, wherein the positional cloning genotype test is configured to determine the environmental factor contribution in developing disease in the disease and non-disease populations by analyzing continually received data signals transmitted by the remotely programmable apparatus over a long period of time from individuals in the disease and non-disease populations.

al 36. The method of Claim 30, wherein the monitoring devices comprises at least one of blood glucose meters, respiratory flow meters, blood pressure cuffs, electronic weight scales, and pulse rate monitors.